Neural network controller for an automobile engine

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Abstract of **FR2772427**

The controller includes a control computer connected to engine state sensors and to exterior state sensors, which produce control signals for actuators which regulate certain operating variables for the engine. The computer includes in addition: - a model (5) of at least a part of the engine (1); - a controller (4) made up of a non linear neural network (6), with a part which receives as input several control values (D), engine state parameter values (D) and exterior values (A), and another part connected to the model (5) of the engine; - a comparator (8) which compares the actual engine operation with the control values.
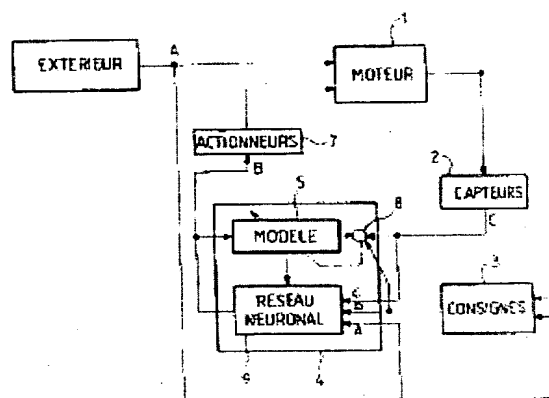
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